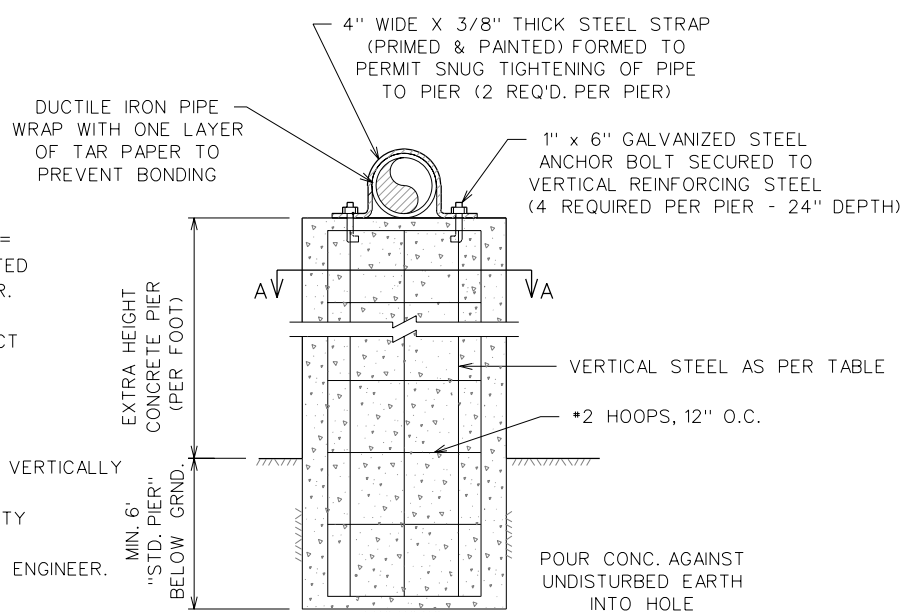


PIER DIAMETER	VERTICAL STEEL #5 BARS
16"	8
24"	12
26"	14
30"	16
42"	24

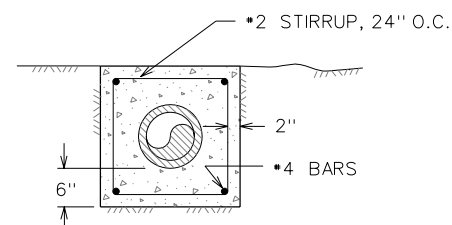
NOTES:

1. EACH PIER SHALL BE COMPLETED IN A SINGLE CONTINUOUS POUR.
2. CHAMFER EDGES 3/4".
3. CONTRACTOR SHALL CONSTRUCT CONCRETE PIER TO A MINIMUM DEPTH OF 6' OR TO A DEPTH WHERE A GOOD BEARING SOIL IS ENCOUNTERED.
4. ALL SHAFTS SHALL BE BORED VERTICALLY PLUMB WITHIN 2" TOLERANCE.
5. ALL INFORMATION SHOWN IS CITY MINIMUM. ALL PIERS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER.



TYPICAL CONCRETE DRILLED PIER FOR AERIAL SEWER

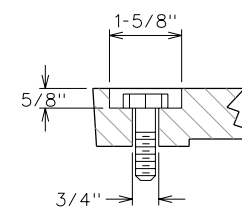
S4-00



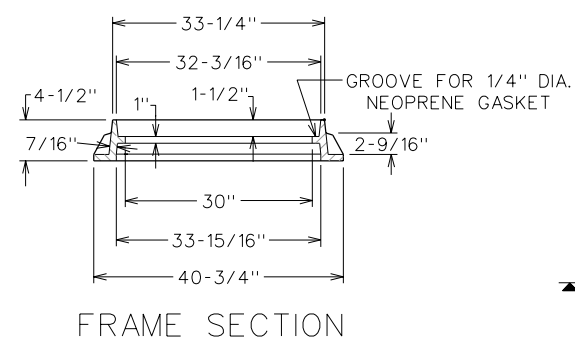
CONCRETE ENCASEMENT

S4-02

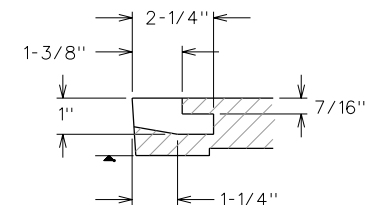
MACHINED BEARING SURFACE



BOLT HOLE DETAIL

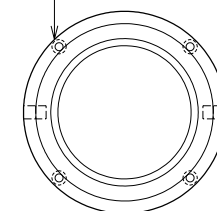


FRAME SECTION

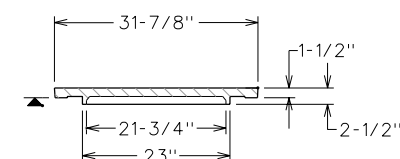


PICK HOLE DETAIL

SEE BOLT HOLE DETAIL (WATERTIGHT COVER ONLY)

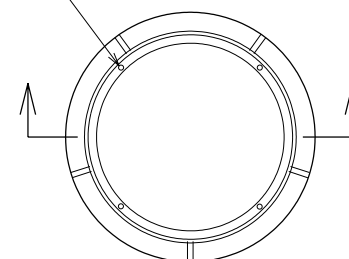


COVER BACK



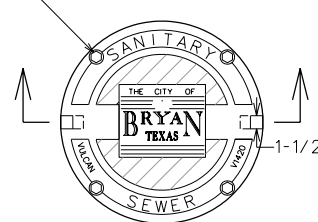
COVER SECTION

(4) 1/2" DRILLED AND TAPPED BOLT HOLES (WATERTIGHT FRAME ONLY)



FRAME PLAN

(4) 1/2"-13 X 1-3/4" SS HX HD BLTS WITH STEEL & RUBBER WASHERS (WATERTIGHT COVER ONLY-V1420 APT)



COVER FACE (VULCAN V1420)

(4) 1/2"-13 X 1-3/4" SS HX HD BLTS WITH STEEL & RUBBER WASHERS (WATERTIGHT COVER ONLY-V1420 APT)



COVER FACE (VULCAN V1420)

MANHOLE RING AND COVER & WATERTIGHT MANHOLE RING AND COVER

S4-01

GENERAL NOTES:

ALL AREAS WHERE EXISTING VEGETATION AND GRASS COVER HAVE BEEN BARED BY CONSTRUCTION SHALL BE ADEQUATELY BLOCK SODDED OR HYDROMULCHED AND WATERED UNTIL GROWTH IS ESTABLISHED. IN DEVELOPED AREAS WHERE GRASS IS PRESENT, BLOCK SOD WILL BE REQUIRED. BARED AREAS SHALL BE SEEDED OR SODDED WITHIN 14 CALENDAR DAYS OF LAST DISTURBANCE.

APPROVED EROSION CONTROL MEASURES MUST BE INSTALLED DURING THE ENTIRE TIME THAT EARTH HAS BEEN BARED BY CONSTRUCTION AND SHALL STAY IN PLACE UNTIL ACCEPTABLE VEGETATIVE GROWTH IS ESTABLISHED AFTER CONSTRUCTION IS COMPLETE AND THEN REMOVED BY CONTRACTOR.

ALL EROSION CONTROL MEASURES SHOULD BE CLEANED OF SILT AFTER EVERY RAIN. ESTABLISHMENT OF VEGETATION MAY BE A WARRANTY ITEM.

REVISIONS:
REVISED 12-8-03
REVISED 1-14-04
REVISED 1-23-04

BRYAN - COLLEGE STATION
STANDARD SEWER DETAILS



THE CITY OF
BRYAN
TEXAS

DRAWN BY: JH
DATE: 01-31-03
SCALE: N.T.S.
APPROVED: W.P.K.

FIGURE:
S4
SHEET 4 OF 4